

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/540,436-Conf. #1654
		Filing Date	November 10, 2005
		First Named Inventor	
		Art Unit	3749
		Examiner Name	G. A. Wilson
Sheet	1	of	9
		Attorney Docket Number	20941/0211434-USO

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-2,582,710	01-15-1952		
	AB*	US-2,607,666	08-19-1952		
	AC*	US-2,714,126	07-26-1955		
	AD*	US-2,826,460	03-11-1958		
	AE*	US-2,864,674	12-16-1958		
	AF*	US-2,901,421	08-25-1959		
	AG*	US-3,528,179	09-15-1970		
	AH*	US-3,578,798	05-18-1971	Lapple et al.	
	AI*	US-3,671,424	06-20-1972	Saxon	
	AJ*	US-3,876,392	04-08-1975	Kalina et al.	
	AK*	US-4,044,094	08-23-1977	Barner et al.	
	AL*	US-4,073,642	02-14-1978	Collin et al.	
	AM*	US-4,080,437	03-21-1978	Reh et al.	
	AN*	US-4,191,544	03-04-1980	Boll et al.	
	AO*	US-4,338,283	07-06-1982	Sakamoto et al.	
	AP*	US-4,377,466	03-22-1983	Wallman	
	AQ*	US-4,402,754	09-06-1983	Schmidt et al.	
	AR*	US-4,404,755	09-20-1983	Stewart et al.	
	AS*	US-4,490,287	12-25-1984	Hardwick et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA	AU-9894057	05-25-2000		
	BB	CN-1732276	02-08-2006		Equivalent to US2006230879 X
	BC	CN-1738918	02-22-2006		Equivalent to US2006230880 X
	BD	DD-248109	07-29-1987		Abstract included X
	BE	DD-278348	05-02-1990		Abstract included X
	BF	DE-1016938	10-03-1957		Abstract included X

Examiner Signature	/Gregory Wilson/	Date Considered	04/19/2010
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iv)) because that application was filed after June 30, 2003 or is available in the IFW. * Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Eritrean Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/540,436-Conf. #1654	
			Filing Date	November 10, 2005	
			First Named Inventor		
			Art Unit	3749	
			Examiner Name	G. A. Wilson	
Sheet	2	of	9	Attorney Docket Number	20941/0211434-USO

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AT*	US-4,676,824	06-30-1987	Daradimos et al.	
	AU*	US-4,716,856	01-05-1988	Beisswenger et al.	
	AV*	US-4,786,477	11-22-1988	Yoon et al.	
	AW*	US-4,806,158	02-21-1989	Hirsch et al.	
	AX*	US-4,822,592	04-18-1989	Misra	
	AY*	US-4,919,715	04-24-1990	Smith et al.	
	AZ*	US-4,992,245	02-12-1991	Van Slooten et al.	
	AA1*	US-5,033,413	07-23-1991	Zenz et al.	
	AB1*	US-5,205,350	04-27-1993	Hirsch et al.	
	AC1*	US-5,269,236	12-14-1993	Okuno et al.	
	AD1*	US-5,349,154	09-20-1994	Harker et al.	
	AE1*	US-5,374,413	12-20-1994	Kim et al.	
	AF1*	US-5,382,412	01-17-1995	Kim et al.	
	AG1*	US-5,382,418	01-17-1995	Thone et al.	
	AH1*	US-5,527,379	06-18-1996	Hirsch et al.	
	AI1*	US-5,573,689	12-28-1999	Schreieder et al.	
	AJ1*	US-5,603,748	02-18-1997	Hirsch et al.	
	AK1*	US-5,783,158	07-21-1998	Tacke et al.	
	AL1*	US-5,942,110	08-24-1999	Norris	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
	BG	DE-2524541	12-23-1976		Equivalent to US4080437	X
	BH	DE-2624302	12-22-1977		Equivalent to US4111158	X
	BI	DE-2805906	08-23-1979		Abstract included	X
	BJ	DE-3235559	05-24-1984		Abstract included	X
	BK	DE-4103965	04-09-1992		Equivalent to CA2060878	X
	BL	DE-4206602	06-24-1993		Equivalent to US5382418	X

Examiner Signature	/Gregory Wilson/	Date Considered	04/19/2010
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with a single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Eritrean Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/540,436-Conf. #1654
		Filing Date	November 10, 2005
		First Named Inventor	
		Art Unit	3749
		Examiner Name	G. A. Wilson
Attorney Docket Number	20941/0211434-USO		
Sheet	3	of	9

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number/Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AM1*	US-6,007,869	12-28-1999	Schreieder et al.	
	AN1*	US-6,022,513	02-08-2000	Pecoraro et al.	
	AO1*	US-6,074,533	06-13-2000	Tranquilla et al.	
	AP1*	US-6,110,413	08-29-2000	Jung et al.	
	AQ1*	US-6,197,234	03-06-2001	Goudmand et al.	
	AR1*	US-6,395,248	05-28-2002	Kim et al.	
	AS1*	US-6,413,477	07-02-2002	Govoni et al.	
	AT1*	US-6,416,721	07-09-2002	Sanjurjo et al.	
	AU1*	US-6,827,786	12-07-2004	Lord	
	AV1*	US-6,830,597	12-14-2004	Green	
	AW1*	US-20060230880	10-19-2006	Hirsch et al.	
	AX1*	US-20060231433	10-19-2006	Rufo et al.	
	AY1*	US-20060231466	10-19-2006	Nuber	
	AA2*	US-2006230879	10-19-2006	Stroder et al.	
	AB2*	US-411158	09-05-1978	Reb et al.	
	AC2*	US-2002113024	08-22-2002	Pilz et al.	
	AD2*	US-4147911	04-03-1979	NISHITANI TERUYUKI	
	AE2*	US-2006237300	10-26-2006	Stroder et al.	
	AF2*	US-7526923	07-13-2006	Lothe	
	AG2*	US-20060230880	10-19-2006	Hirsch et al.	
	AH2*	US-20070137435	06-21-2007	Orth et al.	
	AI2*	US-20060228281	10-12-2006	Stroeder et al.	
	AJ2*	US-20060266636	11-30-2006	Gravini et al.	
	AK2*	US-20080124253	05-29-2008	Schmidt et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ¹
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BM	DE-4410093	03-09-1995		Abstract included	X
	BN	DE-10061386	09-05-2002		Equivalent to US2002113024	X
	BO	DE-10101157	07-18-2002		Abstract included	X
	BP	DE-10164086	08-14-2003		Abstract included	X
	BQ	DE-19841513	05-27-1999		Abstract included	X
	BR	EP-246191	11-19-1987			

Examiner Signature	/Gregory Wilson/	Date Considered	04/19/2010
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with a single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. * Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known Application Number 10/540,436-Conf. #1654 Filing Date November 10, 2005 First Named Inventor Art Unit 3749 Examiner Name G. A. Wilson Attorney Docket Number 20941/0211434-USO	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>					
Sheet	4	of	9		

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code*, Number*, Kind Code* (if known)	MM-DD-YYYY			
	BS	EP-534243	03-31-1993			
	BT	EP-630975	12-28-1994		Abstract included	X
	BU	EP-748391	12-18-1996			
	BV	EP-995065	04-26-2000			
	BW	GB-915412	01-09-1963			
	BX	GB-951245	03-04-1964			

Examiner Signature	/Gregory Wilson/	Date Considered	04/19/2010
--------------------	------------------	-----------------	------------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.80(a)(2)(ii)) because the application was filed after June 30, 2003 or is available in the IFW. *Applicants unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.14. *Enter Office that issued the application (e.g., the United States Patent and Trademark Office, USPTO). *For the purpose of this form, the year of the filing of the Empire must precede the year of the parent document. *Enter language by the appropriate symbols as indicated in the document under the WIPO Standard ST.16, where possible. *Applicant is to place a check mark here if English language Translation is attached.

U.S. PATENT DOCUMENTSFOREIGN PATENT DOCUMENTS

Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/540,436-Conf. #1654	
			Filing Date	November 10, 2005	
			First Named Inventor		
			Art Unit	3749	
			Examiner Name	G. A. Wilson	
			Attorney Docket Number	20941/0211434-USO	
Sheet	7	of	9		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	CA	"Ullmann's Encyclopedia of Industrial Chemistry" 5th edition, 1994, Vol. A25, pages 574-575		
	CB	SANDER U H F et al. "Production from elemental sulphur" Sulphur, Sulphur Dioxide and Sulphuric Acid. Introduction to their Industrial Chemistry and Technology, London, British Sulphur Corporation, GB, 1984, pages 168-176, XP0006085		
	CC	Barbara ELVERS et al. "Ullmann's Encyclopedia of Industrial Chemistry", Fifth, Completely Revised Edition, Vol. A25, VCH, pages 567-577		
	CD	Notice of Allowance dated 02/06/2009 for USSN:10/540,355 filed 02/02/2006		
	CE	Vijay, "Preoxidation and Hydrogen Reduction of Ilmenite in a Fluidized Bed Reactor" XP 000632260, Metallurgical and Material Transactions B, Vol 27B, October 1996, 9, 731-738.		
	CF	Kim, Y.T. et al, "Entrainment of solids in an internally circulating fluidized bed with draft tube". Chemical Engineering Journal, Vol. 66, (1997), p. 105-110.		
	CG	Notice of Allowance dated 07/20/2009 for USSN: 10/540,435 filed 03/27/2006.		
	CH	Office Action dated 09/19/2008 for USSN: 10/540,435 filed 03/27/2006.		
	CI	Office Action dated 02/11/2009 for USSN: 10/540,497 filed 05/31/2006.		
Examiner Signature		/Gregory Wilson/		Date Considered
				04/19/2010

¹EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/540,436-Conf. #1654
			Filing Date	November 10, 2005
			First Named Inventor	
			Art Unit	3749
			Examiner Name	G. A. Wilson
			Attorney Docket Number	20941/0211434-US0
Sheet	8	of	9	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CJ	Notice of Allowance dated 02/06/2009 for USSN: 10/540,355 filed 02/02/2006.	
	CK	Office Action dated 08/12/2008 for USSN: 10/540,355 filed 02/02/2006.	
	CL	Office Action dated 03/27/2008 for USSN: 10/540,355 filed 02/02/2006.	
	CM	Office Action dated 07/08/2009 for USSN: 10/540,073 filed 07/19/2006.	
	CN	Office Action dated 01/26/2009 for USSN: 10/540,073 filed 07/19/2006.	
	CO	Office Action dated 08/21/2008 for USSN: 10/540,073 filed 07/19/2006.	
	CP	Office Action dated 05/13/2009 for USSN: 10/540,376 filed 01/17/2006.	
	CQ	Office Action dated 10/09/2008 for USSN: 10/540,376 filed 01/17/2006.	
	CR	Office Action dated 06/02/2008 for USSN: 10/540,376 filed 01/17/2006.	
	CS	Office Action dated 09/17/2008 for USSN: 10/540,434 filed 05/16/2006.	

Examiner Signature	/Gregory Wilson/	Date Considered	4/19/2010
-----------------------	------------------	--------------------	-----------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO <h2 style="text-align: center; margin: 10px 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 10px 0;"><i>(Use as many sheets as necessary)</i></p>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Application Number</td> <td>10/540,436-Conf. #1654</td> </tr> <tr> <td>Filing Date</td> <td>November 10, 2005</td> </tr> <tr> <td>First Named Inventor</td> <td></td> </tr> <tr> <td>Art Unit</td> <td>3749</td> </tr> <tr> <td>Examiner Name</td> <td>G. A. Wilson</td> </tr> <tr> <td>Attorney Docket Number</td> <td>20941/0211434-US0</td> </tr> </table>		Application Number	10/540,436-Conf. #1654	Filing Date	November 10, 2005	First Named Inventor		Art Unit	3749	Examiner Name	G. A. Wilson	Attorney Docket Number	20941/0211434-US0
Application Number	10/540,436-Conf. #1654														
Filing Date	November 10, 2005														
First Named Inventor															
Art Unit	3749														
Examiner Name	G. A. Wilson														
Attorney Docket Number	20941/0211434-US0														
Sheet	9	of	9												

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CT	Notice of Allowance dated 12/03/2008 for USSN: 10/540,437 filed 05/10/2006.	
	CU	Office Action dated 06/16/2008 for USSN: 10/540,437 filed 05/10/2006.	
	CV	Office Action dated 04/17/2009 for USSN: 10/540,438 filed 06/06/2006.	
	CW	Notice of Allowability for USSN: 10/540,438 filed 06/06/2006.	
	CX	Office Action dated 07/10/2007 for USSN: 10/540,438 filed 06/06/2006.	
	CY	Office Action dated 12/29/2008 for USSN: 10/540,071 filed 05/11/2006.	
	CZ	Office Action dated 07/23/2008 for USSN: 10/540,071 filed 05/11/2006.	
	CA1	Notice of Allowance dated 04/13/2009 for USSN: 10/540,071 filed 05/11/2006.	

Examiner Signature	/Gregory Wilson/	Date Considered	4/19/2010
-----------------------	------------------	--------------------	-----------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ³Applicant is to place a check mark here if English language Translation is attached.